

STATENS SERUMINSTITUT

TELEFON: CENTRAL 2835

TELEGRAM ADRESSE: STATSSERUM

POSTGIRO: 2817

May 26th, 1952.

Nr.

Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison 6, Wisconsin
U.S.A.

Dear Dr. Lederberg:

I received your letter of May 21st and can tell you the following:

The culture 248 (O 19) was received from the Institute of Hygiene in Basel, Switzerland, in 1941. I suppose it was isolated from a patient Hasenbühl as the strain was sent to me designated as "Hasenbühl". You could get clinical data from Miss Mislav, Institute of Hygiene, Basel.

The culture contained both a motile, monophasic (phase 1 = b) culture of S.paratyphi B and a non-motile culture, sent to you. The motile culture did not split off the second phase, but is no more in my collection. Biochemically both cultures were identical, both were d-tartrate-negative, not belonging to the java-variety. I have never found a cross-reaction between the H antigens b and i.

The biochemical behaviour of O 19 indicates that the culture belongs to S.paratyphi B and is a loss-variant of the motile, monophasic culture, isolated from the same patient. I am a little doubtful whether the O form spontaneously should split off a motile phase with antigen i.

With kind regards
yours sincerely

F. Kauffmann

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